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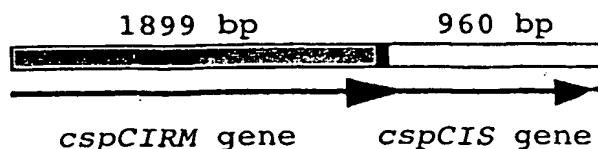
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(54) Title: A NOVEL MODULAR TYPE II RESTRICTION ENDONUCLEASE, CspCI, AND THE USE OF MODULAR EN-
DONUCLEASES FOR GENERATING ENDONUCLEASES WITH NEW SPECIFICITIES



(57) Abstract: A novel restriction endonuclease and methods of making the same are obtainable from either *Citrobacter* species 2144 (NEB#1398) or the recombinant strain *Escherichia coli* (NEB#1554) which cleaves at nt sequence 5'-CAANNNNNGTGG-3' (SEQ ID NO:14) in double-stranded DNA molecules. The novel restriction endonuclease is a modular protein in which the specificity

moiety is an independent module from the restriction-modification module.

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